DATA LIMITATION

The statistical data used to generate the 2013-2014 dataset is limited to fires that were reported to the Office of the Fire Commissioner within the legislated timeframe for each calendar year. Any analysis undertaken using this data should acknowledge that the data does not represent a complete listing of all fire incidents in the province.

Any data received after the legislated deadline will be added to future reports and will therefore create a discrepancy in future reports as data is corrected.

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Status and Sex of Casualty		Children		Adults		Seniors		Total
		2013	2014	2013	2014	2013	2014	
Sex	M		1	7	16	5	6	35
	F	1	1	6	11		5	24
Total Deaths		1	2	13	28	5	11	60

Injury Type	2		3		4		Total
Year	2013	2014	2013	2014	2013	2014	
Number	109	106	26	22	30	21	314

Injury Description
2 - Minor Injury (Less Than 1 Day Hospital or Off Work)
3 - Light Injury (Hosp. 1-2 Days and/or Off Work 1-15 Days)
4 - Serious Injury (Hosp. 3+ Days and/or Off Work 16+ Days)

*Note that the 2013 and 2014 Medical Examiner's reports have not been received at the time of this document. Therefore, the values for Fire Deaths are subject to change.

YEAR	Alberta Population	Fire Deaths	Death Rate (/100,000)
2001	2907882	43	1.48
2002	2994387	31	1.04
2003	3034362	24	0.79
2004	3066257	27	0.88
2005	3242110	38	1.17
2006	3242824	35	1.08
2007	3354411	23	0.69
2008	3433145	33	0.96
2009	3520268	28	0.80
2010	3543797	24	0.68
2011	3584304	26	0.73
2012	3699939	19	0.51
2013	3759038	19	0.51
2014	3966875	41	1.03

*Note that the 2013 and 2014 Medical Examiner's reports have not been received at the time of this document. Therefore, the values for Deaths Involving Fire are subject to change.

Death Involving Fire

A person who was in a place where fire occurred, but who may have died from a cause other than the fire itself (e.g. a person who dies in an automobile accident where the vehicle catches fire prior to death, a suicide by burning or asphyxia, an incendiary fire set for the specific reason of killing).

NOTE: A person who dies from burns or asphyxia in a vehicle as a result of a collision is NOT considered a fire death. A person who dies by accident as a result of an incendiary fire is considered to be a fire death. When there is doubt about suicide or murder, the person shall be classified as a fire death.

Fire Causes	Fires		% Fires		Deaths		Injuries		Property Loss $	
	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
Other Causes/Unknown	390	375	10	10	8	6	19	14	75,051,998	60,630,215
Smoking	310	263	8	7	4	7	15	10	30,072,237	21,386,639
Other Cooking	266	258	7	7	1	4	26	30	16,824,269	14,311,713
Electrical Distrib. Eqpt.	199	187	5	5	0	3	5	6	20,342,354	22,324,716
Arson/Set Fire	205	171	5	5	1	3	6	8	16,341,312	15,397,655
Exposure Fire	119	187	3	5	0	0	1	2	9,712,949	13,725,727
Heating Eqpt. Related	117	98	3	3	2	0	8	6	12,886,247	14,699,606
Overheated Cooking Oil Fire	109	99	3	3	0	2	14	13	3,556,522	3,873,410
Appliance/Equipment Related	46	23	1	1	0	0	2	0	5,559,985	717,965
Clothes Dryer	41	27	1	1	0	0	1	1	1,862,917	927,056
Candle (accident)	36	25	1	1	0	0	3	0	2,690,289	2,088,532
Light/Fluorescent Bulb	28	26	1	1	0	0	1	0	1,465,054	1,092,211
Flammable/Comb. Liquid Ignition	19	26	1	1	0	0	3	6	4,208,867	1,619,261
Match/Lighter Not Used For Smoking	15	13	0	0	0	1	1	3	2,512,802	1,138,100
Flammable Gas Ignition	6	17	0	0	0	0	1	6	424,400	17,090,200
Child Fireplay	13	6	0	0	0	0	0	1	1,284,700	236,500
Welding/Torch Too Close	8	5	0	0	0	0	0	0	944,995	275,100
Inadequate Control of Open Fire	8	3	0	0	0	0	0	0	3,318,500	462,500
Total	1935	1809	52	48	16	26	106	106	209,060,397	191,997,106

Initial Detection	YEAR			
	2013	2013%	2014	2014%
0	282	5.53	356	7.61
1	183	3.59	178	3.81
2	109	2.14	109	2.33
3	2	0.04	6	0.13
4	8	0.16	4	0.09
5	19	0.37	20	0.43
6	4	0.08	7	0.15
7	4,362	85.55	3,866	82.64
8	48	0.94	57	1.22
9	74	1.45	71	1.52
Total	5,099	100	4,678	100

Code	Description
1	Smoke Alarm Device - single station - NOT connected to a fire alarm system
2	Smoke Detector Device - connected directly to a fire alarm system
3	Heat Alarm Device - single station - NOT connected to a fire alarm system
4	Heat Detector Device - connected directly to a fire alarm system
5	Automatic Sprinkler System
6	Automatic System Other Than Sprinkler
7	Visual Sighting or Other Means of Personal Protection
8	No initial detection (burned out before detection)
9	Initial Detection - unclassified
0	Initial Detection - unknown

Smoke Alarm Installation	Fires	% of Fires		Deaths		% of Deaths		Injuries		% of Injuries	
		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
N/A or Unreported	1761	46	48	7	11	44	42	25	24	24	23
0	409	10	12	1	4	6	15	8	11	8	10
1	272	7	8	1	2	6	8	17	12	16	11
2	421	12	11	3	3	19	12	28	26	26	25
3	23	1	1	0	0	0	0	1	1	1	1
4	16	0	0	0	0	0	0	0	2	0	2
5	19	1	0	0	0	0	0	1	1	1	1
6	11	0	0	0	0	0	0	1	2	1	2
7	18	0	1	0	0	0	0	0	2	0	2
8	23	1	0	0	0	0	0	2	0	2	0
9	19	1	0	0	0	0	0	1	2	1	2
10	21	1	1	0	1	0	4	1	1	1	1
11	14	0	0	0	1	0	4	0	0	0	0
12	273	8	7	0	1	0	4	10	5	9	5
99	444	13	11	4	3	25	12	11	17	10	16
Total	3744	100	100	16	26	100	100	106	106	100	100

Code	Description
0	No Detector or alarm
1	Alarm in room of origin - activated
2	Alarm not in room of origin - activated
3	Alarm in room of origin - not activated - non-suitable location
4	Alarm in room of origin - not activated - battery dead
5	Alarm in room of origin - not activated - no battery
6	Alarm in room of origin - not activated - AC not connected or disabled
7	Alarm in room of origin - not activated - mechanical failure
8	Alarm not in room of origin - not activated - battery dead
9	Alarm not in room of origin - not activated - no battery
10	Alarm not in room of origin - not activated - AC not connected or disabled
11	Alarm not in room of origin - not activated - mechanical failure
12	Not enough smoke to activate alarm
99	Smoke alarm activation - unknown

Smoke Alarm Installation Relating to Casualty	Fires	% of Fires		Deaths		% of Deaths		Injuries		% of Injuries	
		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
N/A or Unreported	1761	46	48	7	11	44	42	25	24	24	23
0	409	10	12	1	4	6	15	8	11	8	10
1	272	7	8	1	2	6	8	17	12	16	11
2	421	12	11	3	3	19	12	28	26	26	25
3	23	1	1	0	0	0	0	1	1	1	1
4	16	0	0	0	0	0	0	0	2	0	2
5	19	1	0	0	0	0	0	1	1	1	1
6	11	0	0	0	0	0	0	1	2	1	2
7	18	0	1	0	0	0	0	0	2	0	2
8	23	1	0	0	0	0	0	2	0	2	0
9	19	1	0	0	0	0	0	1	2	1	2
10	21	1	1	0	1	0	4	1	1	1	1
11	14	0	0	0	1	0	4	0	0	0	0
12	273	8	7	0	1	0	4	10	5	9	5
99	444	13	11	4	3	25	12	11	17	10	16
Total	3744	100	100	16	26	100	100	106	106	100	100

Code	Description
0	No Detector or alarm
1	Alarm in room of origin - activated
2	Alarm not in room of origin - activated
3	Alarm in room of origin - not activated - non-suitable location
4	Alarm in room of origin - not activated - battery dead
5	Alarm in room of origin - not activated - no battery
6	Alarm in room of origin - not activated - AC not connected or disabled
7	Alarm in room of origin - not activated - mechanical failure
8	Alarm not in room of origin - not activated - battery dead
9	Alarm not in room of origin - not activated - no battery
10	Alarm not in room of origin - not activated - AC not connected or disabled
11	Alarm not in room of origin - not activated - mechanical failure
12	Not enough smoke to activate alarm
99	Smoke alarm activation - unknown

Smoke Alarm Performance Related to Dollar Loss	$ Losses		% of $ Losses	
	2013	2014	2013	2014
N/A or Unreported	108,725,406	102,602,662	52	53
0	12,764,605	20,812,504	6	11
1	10,610,806	11,518,813	5	6
2	19,260,198	18,845,253	9	10
3	346,331	256,026	0	0
4	701,151	119,100	0	0
5	873,650	325,600	0	0
6	37,050	199,963	0	0
7	147,100	767,551	0	0
8	1,527,600	304,990	1	0
9	682,800	336,050	0	0
10	1,373,650	505,500	1	0
11	1,897,583	366,500	1	0
12	10,654,426	6,551,726	5	3
99	39,458,041	28,484,868	19	15
Total	209,060,397	191,997,106	100	100

Code	Description
0	No Detector or alarm
1	Alarm in room of origin - activated
2	Alarm not in room of origin - activated
3	Alarm in room of origin - not activated - non-suitable location
4	Alarm in room of origin - not activated - battery dead
5	Alarm in room of origin - not activated - no battery
6	Alarm in room of origin - not activated - AC not connected or disabled
7	Alarm in room of origin - not activated - mechanical failure
8	Alarm not in room of origin - not activated - battery dead
9	Alarm not in room of origin - not activated - no battery
10	Alarm not in room of origin - not activated - AC not connected or disabled
11	Alarm not in room of origin - not activated - mechanical failure
12	Not enough smoke to activate alarm
99	Smoke alarm activation - unknown

Activation of Smoke Alarms	Fires	% of Fires		Deaths	% of Deaths		Injuries		% of Injuries		$ Losses		% of $ Losses	
		2013	2014		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
1	272	16	19	3	13	18	17	12	23	17	10,610,806	11,518,813	12	17
2	421	26	27	6	38	27	28	26	38	37	19,260,198	18,845,253	22	27
3	23	2	1	0	0	0	1	1	1	1	346,331	256,026	0	0
4	16	1	1	0	0	0	0	2	0	3	701,151	119,100	1	0
5	19	1	1	0	0	0	1	1	1	1	873,650	325,600	1	0
6	11	0	1	0	0	0	1	2	1	3	37,050	199,963	0	0
7	18	1	2	0	0	0	0	2	0	3	147,100	767,551	0	1
8	23	2	1	0	0	0	2	0	3	0	1,527,600	304,990	2	0
9	19	1	1	0	0	0	1	2	1	3	682,800	336,050	1	0
10	21	1	2	1	0	9	1	1	1	1	1,373,650	505,500	2	1
11	14	1	1	1	0	9	0	0	0	0	1,897,583	366,500	2	1
12	273	18	17	1	0	9	10	5	14	7	10,654,426	6,551,726	12	10
99	444	30	26	7	50	27	11	17	15	24	39,458,041	28,484,868	45	42
Total	1574	100	100	19	100	100	73	71	100	100	87,570,386	68,581,940	100	100

Code	Description
0	No Detector or alarm
1	Alarm in room of origin - activated
2	Alarm not in room of origin - activated
3	Alarm in room of origin - not activated - non-suitable location
4	Alarm in room of origin - not activated - battery dead
5	Alarm in room of origin - not activated - no battery
6	Alarm in room of origin - not activated - AC not connected or disabled
7	Alarm in room of origin - not activated - mechanical failure
8	Alarm not in room of origin - not activated - battery dead
9	Alarm not in room of origin - not activated - no battery
10	Alarm not in room of origin - not activated - AC not connected or disabled
11	Alarm not in room of origin - not activated - mechanical failure
12	Not enough smoke to activate alarm
99	Smoke alarm activation - unknown

Alarm Assistance to Occupants	Fires	% of Fires		Deaths	% of Deaths		Injuries		% of Injuries		$ Losses		% of $ Losses	
		2013	2014		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
N\A or Unreported	6	0	2	0	0	0	0	2	0	5	666,000	1,785,075	2	6
0	87	13	12	0	0	0	4	0	9	0	5,122,468	2,367,929	17	8
1	468	69	66	1	0	20	29	24	64	63	21,129,930	24,338,465	71	80
2	3	0	1	1	0	20	0	0	0	0	40,000	286,000	0	1
3	11	2	2	2	50	0	5	0	11	0	861,000	72,400	3	0
4	1	0		0	0		0		0		12,000		0	
5	84	12	13	0	0	0	3	1	7	3	186,074	257,131	1	1
6	10	1	2	3	50	20	1	8	2	21	951,932	226,500	3	1
99	23	3	4	2	0	40	3	3	7	8	901,600	1,030,566	3	3
Total	693	100	100	9	100	100	45	38	100	100	29,871,004	30,364,066	100	100

Code	Description
0	Not applicable/no occupants
1	Occupants evacuated safely
2	Occupants did not evacuate - alarm inaudible
3	Occupants did not evacuate - physically/mentally challenged
4	Occupants did not evacuate - age related (infant/aged)
5	Occupants did not evacuate - unnecessary to evacuate
6	Occupants did not evacuate - suspected influence of drugs or alcohol
99	Occupant reponse/evacuation unknown

Reasons Alarms Not Activated	Fires	% of Fires		Deaths		% of Deaths		Injuries		% of Injuries		$ Losses		% of $ Losses	
		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
3	23	6	5	0	0		0	1	1	6	6	346,331	256,026	2	3
4	16	3	4	0	0		0	0	2	0	13	701,151	119,100	4	1
5	19	4	4	0	0		0	1	1	6	6	873,650	325,600	5	3
6	11	1	4	0	0		0	1	2	6	13	37,050	199,963	0	2
7	18	3	5	0	0		0	0	2	0	13	147,100	767,551	1	8
8	23	6	4	0	0		0	2	0	12	0	1,527,600	304,990	8	3
9	19	4	4	0	0		0	1	2	6	13	682,800	336,050	4	3
10	21	4	5	0	1		33	1	1	6	6	1,373,650	505,500	8	5
11	14	3	3	0	1		33	0	0	0	0	1,897,583	366,500	10	4
12	273	64	60	0	1		33	10	5	59	31	10,654,426	6,551,726	58	67
Total	437	100	100	0	3		100	17	16	100	100	18,241,341	9,733,006	100	100

Code	Description
0	No Detector or alarm
1	Alarm in room of origin - activated
2	Alarm not in room of origin - activated
3	Alarm in room of origin - not activated - non-suitable location
4	Alarm in room of origin - not activated - battery dead
5	Alarm in room of origin - not activated - no battery
6	Alarm in room of origin - not activated - AC not connected or disabled
7	Alarm in room of origin - not activated - mechanical failure
8	Alarm not in room of origin - not activated - battery dead
9	Alarm not in room of origin - not activated - no battery
10	Alarm not in room of origin - not activated - AC not connected or disabled
11	Alarm not in room of origin - not activated - mechanical failure
12	Not enough smoke to activate alarm
99	Smoke alarm activation - unknown

Reasons Alarms Did Not Assist	Fires	% of Fires		Deaths		% of Deaths		Injuries		% of Injuries		$ Losses		% of $ Losses	
		2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014	2013	2014
2	3	2	4	0	1	0	50	0	0	0	0	40,000	286,000	2	34
3	11	11	9	2	0	50	0	5	0	56	0	861,000	72,400	42	9
4	1	2		0		0		0		0		12,000		1	
5	84	76	78	0	0	0	0	3	1	33	11	186,074	257,131	9	31
6	10	9	9	2	1	50	50	1	8	11	89	951,932	226,500	46	27
Total	109	100	100	4	2	100	100	9	9	100	100	2,051,006	842,031	100	100

Code	Description
2	Occupants did not evacuate - alarm inaudible
3	Occupants did not evacuate - physically/mentally challenged
4	Occupants did not evacuate - age related (infant/aged)
5	Occupants did not evacuate - unnecessary to evacuate
6	Occupants did not evacuate - suspected influence of drugs or alcohol